

MSG 222C - RED FD15 MEIDEX OPS

FD15 Red Team Operations Message

MX Playback: 14/01:45 (see special instruction below)

MX XFERS: 13/23:00

MX PGSC Setup (sts 5-6): 13/23:10

Standalone Door Ops: None

Digital TV Instructions: Live digital downlink for orbit 224

Special Instructions:

- 1) The MEIDEX Ops message for FD15 is divided into two parts, one for each shift. The Blue shift has already completed your MEIDEX setup for you, so you should be all ready to dive into some dust ops!
- 2) For the MX playback at 14/01:45, we've already had orbit 188 played back once before, but the times shown on the Xybion display didn't match what we were expecting for that orbit. While you prepare the tape for playback, please verify that the Xybion display times are 11/16:38-11/16:40. If you are unable to find these times on this tape, you might check the previously recorded orbit 177. If no joy, please move on to the next item in the detail page callout.
- 3) For error messages, select "OK" to ignore on MEIDEX PGSC (as many times as required). Notify MCC and perform MEIDEX PGSC Reboot per MSG 149.
- 4) We are getting close to the end of the flight, and also close to the end of our internal payload VCR recording capability, so we will be modifying our payload VCR philosophy as follows: we would like you to record only when you see a plume and for no more than 3 minutes per plume. If you see multiple plumes during a single observation, you may record each independently. If you see substantial dust activity, you are go to record for longer periods on MCC GO.

MSG 222C - RED FD15 MEIDEX OPS

Orbit # 223

Observation type: Dust (Atlantic)
Dust plume width: 800km stretching west of African west coast.
Dust Plume Location: 5N / 15W deg, pointing should be to Nadir.
Airplane Support: No.
Video: Live SSV; Recorded on V10 #1 and #2
Special Instructions: PLD VCR recording **ONLY** if dust is observed, **no more than 3 minutes per plume**, except on MCC GO.
Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
13/20:25	MEIDEX SETUP	Step 4 (TLM Config)	REQ	POCC	
		Step 5 (Event Log Config)	REQ	POCC	
		Step 6 (PLD VCR Act.)	REQ	POCC	VCR = 1
		Step 7 (Sekai Activation)	REQ	POCC	
13/20:40	XYBION ACTIVATION	Step 1 (Xybion Powerup)	REQ	POCC	
		Step 2 (Time/Date Config)	REQ	POCC	
13/20:45	MEIDEX SCIENCE	Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = 0
13/20:50	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	REQ	Crew	
		Step 2 (Xyb T/D Check)	REQ	Crew	
		Step 3 (Door Open)	REQ	Crew	
		Step 4 (Xyb Cam Config)	NR	--	Already cmded
		Step 5 (Mon 2 Checks)	REQ	Crew	Setup = ROI
		Step 6 (Truss Pntg Config)	NR	--	Already cmded
		Step 7 (In Cabin Record)	REQ	Crew	No Downlink
		Step 8 (PLD VCR act)	REQ	Crew	VCR = 1
13/21:04	T Time	Step 9 (Observation)	REQ	Crew	
13/21:16	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	Crew	NLT 13/21:17
		Step 11 (In Cabin Stop)	REQ	Crew	
		Step 12 (PTV PWRDN)	NR	--	
		Step 13 (Door Close)	NR	--	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	

MSG 222C - RED FD15 MEIDEX OPS

Orbit # 224

Observation type: Dust (Atlantic)
 Dust plume width: 800km stretching west of African west coast.
 Dust Plume Location: 5N / 15W deg, storm located ~ 30 Deg. North of ground track.
 Airplane Support: No.
 Video: Live Digital Downlink; Recorded on V10 #1 and #2
 Special Instructions: PLD VCR recording **ONLY** if dust is observed, **no more than 3 minutes per plume**, except on MCC GO.
 Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
13/22:20	MEIDEX SCIENCE	Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = +10
13/22:25	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	REQ	Crew	
		Step 2 (Xyb T/D Check)	REQ	Crew	
		Step 3 (Door Open)	NR	--	
		Step 4 (Xyb Cam Config)	NR	--	Already cmded
		Step 5 (Mon 2 Checks)	REQ	Crew	Setup = ROI
		Step 6 (Truss Pntg Config)	NR	--	Already cmded
		Step 7 (In Cabin Record)	REQ	Crew	Digital Dnlk
		Step 8 (PLD VCR act)	REQ	Crew	VCR = 1
13/22:41	T Time	Step 9 (Observation)	REQ	Crew	
13/22:46	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	Crew	NLT 13/22:47
		Step 11 (In Cabin Stop)	REQ	Crew	
		Step 12 (PTV PWRDN)	REQ	Crew	
		Step 13 (Door Close)	REQ	Crew	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	
12/22:50	MX CLOSEOUT	Step 1 (PLD VCR Deact)	REQ	POCC	
		Step 2 (Sekai Deact)	REQ	POCC	
		Step 3 (Xybion Deact)	REQ	POCC	
		Step 4 (Truss Reconfig)	NR	--	
13/23:00	MX CLOSEOUT	Step 5 (File Transfer)	REQ	Crew	
13/23:10	MX PGSC SETUP	Step 5 (MX TLM Config)	REQ	Crew	
		Step 6 (Event Log Config)	REQ	Crew	